

Version with markings to show changes made

IN THE CLAIMS:

Please cancel claim 35, 36, 38, and 41. Please amend claims 1, 21, 34, 39, and 43.

1. (Four times amended) A hub for mounting a pulley, gear, or wheel on a shaft having a keyway, said hub comprising:

a first opening extending axially into said hub, said first opening comprising an inner surface for disposing said hub on the shaft, said first opening having a first end and a second end;

an integral key extending radially inward from said inner surface, said integral key extending at least part of the way along said inner surface between said first end and said second end for engaging the keyway for preventing relative rotation between said hub and the shaft when said hub is disposed on the shaft;

an integral stop extending across at least a portion of said first end for preventing the shaft from extending beyond said hub when said hub is disposed on the shaft; and

a mounting surface [having a position] for mounting the pulley, gear, or wheel on [the] said hub, wherein said mounting surface is located so the shaft extends through the pulley, gear, or wheel when the pulley, gear, or wheel is mounted on said [hub] mounting surface, and when said hub is disposed on the shaft, and when the shaft extends to said integral stop.

21.(Four times Amended) A machine, [hub for mounting a pulley, gear, or wheel on a shaft, the shaft having a shaft end, said hub] comprising:

a hub;

a pulley, gear, or wheel mounted on said hub;

a shaft extending through said hub and through said pulley, gear, or wheel, said shaft having a shaft end;

a first opening extending axially into said hub, said first opening having an inner surface for disposing said hub on [the] said shaft, said first opening having a first end and a second end; and

an integral stop extending across only a portion of said first end, said integral stop for preventing said shaft from extending beyond said hub, [when said hub is disposed on said shaft; and

a mounting surface having a position for mounting the pulley, gear, or wheel on the hub.]

22. (Amended) A machine [hub] as recited in claim 21, further comprising means integral with said inner surface of said first opening for preventing relative rotation of said hub on [the] said shaft when said hub is disposed on [the] said shaft.

23. (Amended) A machine [hub] as recited in claim 22, said means integral with said inner surface comprising one or more flat surfaces.

24. (Amended) A machine [hub] as recited in claim 23, said one or more flat surfaces together forming said first opening having a generally polygonal cross-section.
25. (Amended) A machine [hub] as recited in claim 22, said means integral with said inner surface comprising one or more splines.
26. (Amended) A machine [hub] as recited in claim 21, said hub having an outer peripheral surface portion concentric with said first opening, said outer peripheral surface portion having a right circular cylindrical form.
27. (Amended) A machine [hub] as recited in claim 21, said hub having an outer peripheral surface portion concentric with said first opening, said outer peripheral surface portion having a right elliptical cylindrical form.
28. (Amended) A machine [hub] as recited in claim 21, said hub having an outer peripheral surface portion concentric with said first opening, said outer peripheral surface portion having a pyramidal form.
29. (Amended) A machine [hub] as recited in claim 21, said hub having an outer peripheral surface portion concentric with said first opening, said outer peripheral surface portion having a conical form.
30. (Amended) A machine [hub] as recited in claim 21, said hub having an outer peripheral surface portion concentric with said first opening, said outer peripheral surface portion having a splined form.

34. (Three times Amended) A hub for mounting a device on a shaft, the hub comprising a first face and a second face, an opening extending there between, said opening having a length between said first face and said second face, said opening comprising an inner surface, an integral key extending radially inward from said inner surface, said integral key extending at least part of the way between said first face and said second face, said opening and said integral key for receiving a shaft having a keyway, said hub further comprising an integral stop extending across at least a portion of said opening for preventing the shaft from extending beyond said hub when said hub is disposed on the shaft, [the] said hub further comprising a mounting surface [having a position] for mounting the device on [the] said hub, wherein said mounting surface is located on said hub so the shaft extends through the device when the device is mounted on said hub, and when said hub is disposed on the shaft, and when the shaft extends to said integral stop.

39. (Amended) A hub for mounting [a device] on a shaft, the shaft having a shaft end, said hub comprising:

a first opening extending axially into said hub, said first opening having an inner surface for disposing said hub on the shaft, said first opening having a first end and a second end;

an integral stop extending across only a portion of said first end, said integral stop for preventing the shaft from extending beyond said hub when said hub is disposed on the shaft; and

a device mounted on said hub;

wherein the shaft extends through [the] said device when [the device is mounted on said hub,] said hub is disposed on the shaft[,], and the shaft extends to said integral stop.

40. (Amended) A hub as recited in claim 39, wherein said hub further comprises a mounting surface having a position for mounting [the] said device on the hub.

43. (Amended) A method of fabricating a hub for mounting a [device] pulley, gear, or wheel on a shaft[, the shaft] having a shaft end, the method comprising the steps of:

- a) providing a mold;
- b) filling said mold with a material;
- c) processing to form a hub, wherein said hub comprises:

a mounting surface for mounting [a] the pulley, gear, or wheel thereto;

a first face and a second face and an opening extending from said first face toward said second face, said opening for receiving the shaft, said opening comprising an inner surface extending parallel to an axis of said opening;

an integral key extending along said inner surface, said integral key extending at least part of the way along said inner surface between said first face and said second face; and

an integral stop extending across a portion of one of said first and second faces of said opening for preventing the shaft from moving beyond said integral stop, wherein said mounting surface is located so that when the pulley, gear, or wheel is mounted on said mounting surface, and when said hub is disposed on the shaft and the shaft extends to said integral stop, the shaft extends through the pulley, gear, or wheel.